

REMARKS

The rejections of Claims 1-18 and 22 as being anticipated by Schaefer under 35 USC §102(b) or by Irihune under 35 USC §102(a) and of Claims 19, 20 and 23 as being unpatentable over Irihune under 35 USC §103(a) are traversed. Reconsideration of each of these rejections is respectfully requested with regard to Claims 15-24, with Claims 1-14 having been previously canceled.

The two cited patents are not directed to an apparatus which employs a sensor with a magnetic sensing element such as a Hall element. Instead, they utilize potentiometer arrangements which do not involve the problem faced in the apparatus of the present invention which uses a magnetic detecting element which is sensitive to noise and other influences, including the earth's magnetic field. Thus, neither Schaefer nor Irihune et al. disclose a solution for shielding as achieved with the claimed structure, whereby the wiring portion can be arranged remotely from the connector portion having the power supply line.

Accordingly, early and favorable action is earnestly solicited.

If there are any questions regarding this amendment or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #056203.49700C1).

Respectfully submitted,

March 16, 2006



James F. McKeown
Registration No. 25,406

CROWELL & MORING LLP
Intellectual Property Group
P.O. Box 14300
Washington, DC 20044-4300
Telephone No.: (202) 624-2500
Facsimile No.: (202) 628-8844
JFM:aw

2737809